

Abstract

A contact zone (1) of a quenching chamber which is arranged rotationally symmetrical about a central axis (2) and is filled with an insulating medium, having at least two stationary consumable contacts which are in the form of contact rings (4, 15) and which, when the quenching chamber is closed, are electrically conductively connected by means of a bridging contact which is arranged centrally and can move axially. The mutually facing end surfaces of the consumable contacts are partially covered by electrically insulating covers (11, 22). The aim is to provide insulating covers which are designed to have good dielectric characteristics and are easy to install. This is achieved in that a wedge-shaped annular gap (11a, 22a) which is open in the radial direction and originates from a contact-making edge (10, 21), of the cover (11, 22) is provided between a contact-making surface (7, 18) and an insulating cover (11, 22) and in that the edge (10, 21) is dielectrically shielded by means of an annular bead (8, 19) which projects beyond the contact-making surface (7, 18).